

SCORE Search Results Details for Application 09961086 and Search Result 20080917_142916_us-09-961-086a-1.rapbm.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 09961086 and Search Result 20080917_142916_us-09-961-086a-1.rapbm.

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OM protein - protein search, using sw model

Run on: September 18, 2008, 22:09:29 ; Search time 254 Seconds
(without alignments)
2487.264 Million cell updates/sec

Title: US-09-961-086A-1
Perfect score: 3352
Sequence: 1 MSSSNVEVFIPVSQGTNGF.....MIVIFLTIAYLKLFLKKYS 655

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4190237 seqs, 964526986 residues

Total number of hits satisfying chosen parameters: 4190237

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_Main:*
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
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8: /ABSS/Data/CRF/ptodata/2/pubpaa/US12_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query		Length	DB	ID	Description
		Match					
1	3352	100.0		655	3	US-09-961-086-1	Sequence 1, Appli
2	3352	100.0		655	4	US-10-405-806-13	Sequence 13, Appl
3	3352	100.0		655	6	US-11-184-860-1	Sequence 1, Appli
4	3352	100.0		655	6	US-11-674-429-13	Sequence 13, Appl
5	3346	99.8		655	3	US-09-981-353-35	Sequence 35, Appl
6	3346	99.8		655	4	US-10-120-687-61	Sequence 61, Appl
7	3346	99.8		655	4	US-10-405-806-2	Sequence 2, Appli
8	3346	99.8		655	5	US-10-874-706-24	Sequence 24, Appl
9	3346	99.8		655	5	US-10-517-310-2	Sequence 2, Appli
10	3346	99.8		655	6	US-11-124-368A-296	Sequence 296, App
11	3346	99.8		655	6	US-11-124-368A-297	Sequence 297, App
12	3346	99.8		655	6	US-11-333-542-6	Sequence 6, Appli
13	3346	99.8		655	6	US-11-371-354-63697	Sequence 63697, A
14	3346	99.8		655	6	US-11-443-428A-811925	Sequence 811925,
15	3346	99.8		655	6	US-11-443-428A-811926	Sequence 811926,
16	3346	99.8		655	6	US-11-443-428A-811927	Sequence 811927,
17	3346	99.8		655	6	US-11-443-428A-811928	Sequence 811928,
18	3346	99.8		655	6	US-11-438-790-61	Sequence 61, Appl
19	3346	99.8		655	6	US-11-674-429-2	Sequence 2, Appli
20	3346	99.8		655	8	US-12-055-089-2	Sequence 2, Appli
21	3346	99.8		688	6	US-11-443-428A-811930	Sequence 811930,
22	3346	99.8		775	6	US-11-443-428A-811929	Sequence 811929,
23	3342	99.7		655	6	US-11-333-542-8	Sequence 8, Appli
24	3338	99.6		655	3	US-09-866-866A-27	Sequence 27, Appl
25	3331	99.4		655	3	US-09-866-866A-10	Sequence 10, Appl
26	3331	99.4		655	4	US-10-090-455-5	Sequence 5, Appli
27	3331	99.4		655	6	US-11-037-713-31	Sequence 31, Appl
28	3331	99.4		655	6	US-11-333-542-7	Sequence 7, Appli
29	3331	99.4		655	6	US-11-588-744-2	Sequence 2, Appli
30	3225	96.2		655	6	US-11-333-542-2	Sequence 2, Appli
31	3223.5	96.2		654	6	US-11-333-542-5	Sequence 5, Appli
32	3216	95.9		643	5	US-10-692-382-3396	Sequence 3396, Ap
33	3216	95.9		643	5	US-10-692-382-3398	Sequence 3398, Ap
34	3053.5	91.1		604	3	US-09-745-763-197	Sequence 197, App
35	3045	90.8		632	6	US-11-443-428A-811931	Sequence 811931,
36	2927	87.3		623	6	US-11-443-428A-811932	Sequence 811932,
37	2862	85.4		658	6	US-11-427-230-185	Sequence 185, App
38	2757	82.2		657	3	US-09-866-866A-14	Sequence 14, Appl
39	2325	69.4		456	5	US-10-917-503-12962	Sequence 12962, A
40	1730.5	51.6		688	5	US-10-692-382-3393	Sequence 3393, Ap
41	835.5	24.9		1049	4	US-10-369-493-1520	Sequence 1520, Ap
42	833	24.9		1095	5	US-10-449-902-41563	Sequence 41563, A
43	821.5	24.5		1078	6	US-11-431-855-20717	Sequence 20717, A
44	812.5	24.2		1038	6	US-11-431-855-26719	Sequence 26719, A
45	812	24.2		663	4	US-10-108-605-245	Sequence 245, App

ALIGNMENTS

RESULT 1

US-09-961-086-1

; Sequence 1, Application US/09961086

; Publication No. US20030036645A1

; GENERAL INFORMATION:

; APPLICANT: UNIVERSITY OF MARYLAND, BALTIMORE

; APPLICANT: ROSS, Douglas D.

; APPLICANT: DOYLE, L. Austin

; APPLICANT: ABRUZZO, Lynne

; TITLE OF INVENTION: BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA

; TITLE OF INVENTION: WHICH ENCODES IT

; FILE REFERENCE: EP19376-019

; CURRENT APPLICATION NUMBER: US/09/961,086

; CURRENT FILING DATE: 2001-09-21

; PRIOR APPLICATION NUMBER: US 60/073,763

; PRIOR FILING DATE: 1998-02-05

; PRIOR APPLICATION NUMBER: PCT/US99/02577

; PRIOR FILING DATE: 1999-02-05

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-961-086-1

Query Match 100.0%; Score 3352; DB 3; Length 655;

Best Local Similarity 100.0%; Pred. No. 6.5e-288;

Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
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Db      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy     61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120
      |||
Db     61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy    121 SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
      |||
Db    121 SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy    181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
      |||
Db    181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240

Qy    241 SIHQPRYSIFKLFDSLTLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
      |||
Db    241 SIHQPRYSIFKLFDSLTLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy    301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFFYKETKAELHQLSGGEKKKK 360
      |||
Db    301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFFYKETKAELHQLSGGEKKKK 360

Qy    361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420

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Qy      421  TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGGYRVSSYFLGKLLSDLLP 480
      |||||||
Db      421  TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGGYRVSSYFLGKLLSDLLP 480
      |||||||
Qy      481  MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL 540
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Db      481  MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL 540
      |||||||
Qy      541  MTICFVMMMFISGLLVNLTIIASWLSWLQYFSPRYGFTALQHNEFLGQNFPCPLNATGN 600
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Db      541  MTICFVMMMFISGLLVNLTIIASWLSWLQYFSPRYGFTALQHNEFLGQNFPCPLNATGN 600
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Qy      601  NPCNYATCTGEEYLVKQIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655
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Db      601  NPCNYATCTGEEYLVKQIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655

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RESULT 2

US-10-405-806-13

; Sequence 13, Application US/10405806

; Publication No. US20030232362A1

; GENERAL INFORMATION:

; APPLICANT: KOMATANI, HIDEYA

; APPLICANT: HARA, YOSHIKAZU

; APPLICANT: KOTANI, HIDEHITO

; APPLICANT: NAKAGAWA, RINAKO

; TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF

; FILE REFERENCE: 234985USOCONT

; CURRENT APPLICATION NUMBER: US/10/405,806

; CURRENT FILING DATE: 2003-04-03

; PRIOR APPLICATION NUMBER: PCT/JP01/08112

; PRIOR FILING DATE: 2001-09-18

; PRIOR APPLICATION NUMBER: JP2000-303441

; PRIOR FILING DATE: 2000-10-03

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 13

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: ABCG2 482Tmutant sequence

US-10-405-806-13

Query Match 100.0%; Score 3352; DB 4; Length 655;

Best Local Similarity 100.0%; Pred. No. 6.5e-288;

Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
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Db      1  MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

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Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKFLDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKFLDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Db	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Qy	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
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Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLFKKYS	655

RESULT 3

US-11-184-860-1

; Sequence 1, Application US/11184860

; Publication No. US20050272684A1

; GENERAL INFORMATION:

; APPLICANT: UNIVERSITY OF MARYLAND, BALTIMORE

; APPLICANT: ROSS, Douglas D.

; APPLICANT: DOYLE, L. Austin

; APPLICANT: ABRUZZO, Lynne

; TITLE OF INVENTION: BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA

; TITLE OF INVENTION: WHICH ENCODES IT

; FILE REFERENCE: EP19376-019

; CURRENT APPLICATION NUMBER: US/11/184,860

; CURRENT FILING DATE: 2005-07-20

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; PRIOR APPLICATION NUMBER: US/09/961,086
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/073,763
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: PCT/US99/02577
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-184-860-1

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Query Match          100.0%; Score 3352; DB 6; Length 655;
Best Local Similarity 100.0%; Pred. No. 6.5e-288;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
      |||
Db      1  MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy     61  KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSSGLSGDVLINGAPRPNFKN 120
      |||
Db     61  KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSSGLSGDVLINGAPRPNFKN 120

Qy    121  SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
      |||
Db    121  SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy    181  QFIRGVSGGERKRTSIGMELITDPSILFDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
      |||
Db    181  QFIRGVSGGERKRTSIGMELITDPSILFDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240

Qy    241  SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNPNADFFLDIING 300
      |||
Db    241  SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNPNADFFLDIING 300

Qy    301  DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEIVNSSFYKETKAEHLQLSGGEKKKK 360
      |||
Db    301  DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEIVNSSFYKETKAEHLQLSGGEKKKK 360

Qy    361  ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND 420
      |||
Db    361  ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND 420

Qy    421  TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
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Db    421  TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480

Qy    481  MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
      |||
Db    481  MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy    541  MTICVFMMMFISGLLVNLTIIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600

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Db      541 MTICFVFMMFISGLLVNLTITIASWLSWLQYFSIPRYGTALQHNEFLGQNFPCPLNATGN 600
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Qy      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
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Db      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655

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RESULT 4

US-11-674-429-13

; Sequence 13, Application US/11674429

; Publication No. US20070141619A1

; GENERAL INFORMATION:

; APPLICANT: KOMATANI, HIDEYA

; APPLICANT: HARA, YOSHIKAZU

; APPLICANT: KOTANI, HIDEHITO

; APPLICANT: NAKAGAWA, RINAKO

; TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF

; FILE REFERENCE: 234985USOCONT

; CURRENT APPLICATION NUMBER: US/11/674,429

; CURRENT FILING DATE: 2007-02-13

; PRIOR APPLICATION NUMBER: US/10/405,806

; PRIOR FILING DATE: 2003-04-03

; PRIOR APPLICATION NUMBER: PCT/JP01/08112

; PRIOR FILING DATE: 2001-09-18

; PRIOR APPLICATION NUMBER: JP2000-303441

; PRIOR FILING DATE: 2000-10-03

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 13

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: ABCG2 482Tmutant sequence

US-11-674-429-13

Query Match 100.0%; Score 3352; DB 6; Length 655;

Best Local Similarity 100.0%; Pred. No. 6.5e-288;

Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
      |||||
Db      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
      |||||
Qy      61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAKDPGSLSGDVLINGAPRPANFKCN 120
      |||||
Db      61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAKDPGSLSGDVLINGAPRPANFKCN 120
      |||||
Qy      121 SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
      |||||
Db      121 SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
      |||||
Qy      181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
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Db      181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMKQGRTIIF 240
Qy      241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
      |||
Db      241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
Qy      301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360
      |||
Db      301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360
Qy      361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND 420
      |||
Db      361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND 420
Qy      421 TGIQNRAGVLFLLTTNQCFSSVSVALEFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
      |||
Db      421 TGIQNRAGVLFLLTTNQCFSSVSVALEFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
Qy      481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
      |||
Db      481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
Qy      541 MTICFVMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
      |||
Db      541 MTICFVMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
Qy      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTITAYLKLFLKKYS 655
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Db      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTITAYLKLFLKKYS 655

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RESULT 5

US-09-981-353-35

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; Sequence 35, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 35
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 5517972CD1
US-09-981-353-35

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Query Match          99.8%; Score 3346; DB 3; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;

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Matches	654;	Conservative	0;	Mismatches	1;	Indels	0;	Gaps	0;
Qy	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60						
Db	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60						
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSSGLSGDVLINGAPRPNFKN	120						
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSSGLSGDVLINGAPRPNFKN	120						
Qy	121	SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180						
Db	121	SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180						
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240						
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240						
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNPNADFFLDIING	300						
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNPNADFFLDIING	300						
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK	360						
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK	360						
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420						
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420						
Qy	421	TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480						
Db	421	TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480						
Qy	481	MTMLPSIIFTICIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSATLL	540						
Db	481	MRMLPSIIFTICIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSATLL	540						
Qy	541	MTICFVFMIMFISGLLVNLTIIASWLSWLQYFISIPRYGFTALQHNEFLGQNFPCPLNATGN	600						
Db	541	MTICFVFMIMFISGLLVNLTIIASWLSWLQYFISIPRYGFTALQHNEFLGQNFPCPLNATGN	600						
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIIAYLKLFLKKYS	655						
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIIAYLKLFLKKYS	655						

RESULT 6

US-10-120-687-61

; Sequence 61, Application US/10120687

; Publication No. US20030082155A1

; GENERAL INFORMATION:

; APPLICANT: Massachusetts General Hospital

; TITLE OF INVENTION: Stem Cells of the Islets of Langerhans and Their Use in Treating Diabetes

```

; TITLE OF INVENTION: Mellitus
; FILE REFERENCE: 3284/1235B
; CURRENT APPLICATION NUMBER: US/10/120,687
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: US60/169082
; PRIOR FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: US 09/963,875
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/215109
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: US 60/238880
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: US 09/731261
; PRIOR FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-120-687-61

```

Query Match 99.8%; Score 3346; DB 4; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Db	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWWSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKND	420
Db	361	ITVFKEISYTTSFCHQLRWWSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKND	420
Qy	421	TGIQNRAAGVLFFLTITNQCFSSSVAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480

```

|||||
Db      421 TGIGNRAGVLFFLTNNQCFSSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
Qy      481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
| |||||
Db      481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
Qy      541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
|||||
Db      541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
Qy      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
|||||
Db      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655

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RESULT 7

US-10-405-806-2

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; Sequence 2, Application US/10405806
; Publication No. US20030232362A1
; GENERAL INFORMATION:
; APPLICANT: KOMATANI, HIDEYA
; APPLICANT: HARA, YOSHIKAZU
; APPLICANT: KOTANI, HIDEHITO
; APPLICANT: NAKAGAWA, RINAKO
; TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF
; FILE REFERENCE: 234985USOCONT
; CURRENT APPLICATION NUMBER: US/10/405,806
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: PCT/JP01/08112
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: JP2000-303441
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-405-806-2

```

```

Query Match          99.8%; Score 3346; DB 4; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
| |||||
Db      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
Qy      61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPNFKN 120
| |||||
Db      61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPNFKN 120
Qy      121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
| |||||

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Db      121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
Qy      181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
      |||
Db      181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
Qy      241 SIHQPRYSIFKFLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
      |||
Db      241 SIHQPRYSIFKFLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
Qy      301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFFYKETKAEHLQLSGGEKKKK 360
      |||
Db      301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFFYKETKAEHLQLSGGEKKKK 360
Qy      361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420
      |||
Db      361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420
Qy      421 TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
      |||
Db      421 TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
Qy      481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
      |
Db      481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
Qy      541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
      |||
Db      541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
Qy      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
      |||
Db      601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655

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RESULT 8

US-10-874-706-24

; Sequence 24, Application US/10874706

; Publication No. US20050048610A1

; GENERAL INFORMATION:

; APPLICANT: INCYTE GENOMICS, INC.

; APPLICANT: LAL, Preeti

; APPLICANT: YANG, Junming

; APPLICANT: YUE, Henry

; APPLICANT: HILLMAN, Jennifer L.

; APPLICANT: TANG, Y. Tom

; APPLICANT: BANDMAN, Olga

; APPLICANT: BURFORD, Neil

; APPLICANT: BAUGHN, Mariah R.

; APPLICANT: AZIMZAI, Yalda

; APPLICANT: LU, Dyung Aina M.

; APPLICANT: AU-YOUNG, Janice

; APPLICANT: PATTERSON, Chandra

; TITLE OF INVENTION: HUMAN TRANSPORT PROTEINS

; FILE REFERENCE: PF-0709 PCT

```

; CURRENT APPLICATION NUMBER: US/10/874,706
; CURRENT FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: US/10/009,328
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/139,923; 60/148,177; 60/149,357; 60/162,287
; PRIOR FILING DATE: 1999-06-17; 1999-08-10; 1999-08-18; 1999-10-28
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PERL Program
; SEQ ID NO 24
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 5517972CD1
US-10-874-706-24

```

```

Query Match          99.8%; Score 3346; DB 5; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
      |||
Db      1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy     61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPSSGLSGDVLINGAPRPNFKN 120
      |||
Db     61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPSSGLSGDVLINGAPRPNFKN 120

Qy    121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
      |||
Db    121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy    181 QFIRGVSGGERKRTSIGMELITDPSILFDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
      |||
Db    181 QFIRGVSGGERKRTSIGMELITDPSILFDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240

Qy    241 SIHQPRYSIFKLFDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNPNADFFLDIING 300
      |||
Db    241 SIHQPRYSIFKLFDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNPNADFFLDIING 300

Qy    301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360
      |||
Db    301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360

Qy    361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
      |||
Db    361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy    421 TGIQNRAGVLFLLTTNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFGLKLLSDLLP 480
      |||
Db    421 TGIQNRAGVLFLLTTNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFGLKLLSDLLP 480

Qy    481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVSATLL 540
      |||

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```

Db          481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy          541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
            |||
Db          541 MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600

Qy          601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655
            |||
Db          601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655

```

RESULT 9

US-10-517-310-2

```

; Sequence 2, Application US/10517310
; Publication No. US20060057579A1
; GENERAL INFORMATION:
; APPLICANT: KOTANI, HIDEHITO
; APPLICANT: MIZUARAI, SHINJI
; TITLE OF INVENTION: METHOD FOR PREDICTING A DRUG TRANSPORT CAPABILITY BY ABCG2
; TITLE OF INVENTION: POLYMORPHISMS
; FILE REFERENCE: 262507US0PCT
; CURRENT APPLICATION NUMBER: US/10/517,310
; CURRENT FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: PCT/JP03/07534
; PRIOR FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: JP 2002-175806
; PRIOR FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-517-310-2

```

```

Query Match          99.8%; Score 3346; DB 5; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy          1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLSGFLPCRKPVE 60
            |||
Db          1 MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLSGFLPCRKPVE 60

Qy          61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPISGLSGDVLINGAPRPNANFKCN 120
            |||
Db          61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAARKDPISGLSGDVLINGAPRPNANFKCN 120

Qy          121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
            |||
Db          121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy          181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
            |||
Db          181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

```

Qy	241	SIHQPRYSIFKLFDSLTLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAEHLQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAEHLQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFLLTTNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFLLTTNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Qy	541	MTICFVFMIMISGLLVNLTIIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVFMIMISGLLVNLTIIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS	655

RESULT 10

US-11-124-368A-296

; Sequence 296, Application US/11124368A

; Publication No. US20050287559A1

; GENERAL INFORMATION:

; APPLICANT: Michele Cargill

; APPLICANT: James J. Devlin

; APPLICANT: May Luke

; TITLE OF INVENTION: Genetic Polymorphisms Associated with

; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof

; FILE REFERENCE: CL001524

; CURRENT APPLICATION NUMBER: US/11/124,368A

; CURRENT FILING DATE: 2005-05-09

; PRIOR APPLICATION NUMBER: US 60/568,845

; PRIOR FILING DATE: 2004-05-07

; PRIOR APPLICATION NUMBER: US 60/625,936

; PRIOR FILING DATE: 2004-11-09

; NUMBER OF SEQ ID NOS: 21112

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 296

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-124-368A-296

Query Match 99.8%; Score 3346; DB 6; Length 655;

RESULT 11
US-11-124-368A-297
; Sequence 297, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin

Query Match 99.8%; Score 3346; DB 6; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Db	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRANPFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRANPFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLFQSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420
Qy	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVFYMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGOSVSVSATLL	540

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US-11-333-542-6
; Sequence 6, Application US/11333542
; Publication No. US20060160139A1
; GENERAL INFORMATION:
; APPLICANT: TAKEBE, NAKO
; TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
; FILE REFERENCE: UNIMD-0016
; CURRENT APPLICATION NUMBER: US/11/333,542
; CURRENT FILING DATE: 2006-01-18
; PRIOR APPLICATION NUMBER: 60/644,706
; PRIOR FILING DATE: 2005-01-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-333-542-6

```

Query Match 99.8%; Score 3346; DB 6; Length 655;
Best Local Similarity 99.8%; Pred. No. 2.2e-287;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Db	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGILTVRENQFSAA RLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGILTVRENQFSAA RLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDLSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDLSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300

Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIONRAGVLFFLTNNQCFSSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIONRAGVLFFLTNNQCFSSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Db	481	MRMLPSIIFTTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Qy	541	MTICFVMMMFISGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVMMMFISGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 13

US-11-371-354-63697

; Sequence 63697, Application US/11371354

; Publication No. US20060275794A1

; GENERAL INFORMATION:

; APPLICANT: CARRINO, JOHN

; APPLICANT: LIANG, FENG

; TITLE OF INVENTION: COLLECTIONS OF MATCHED BIOLOGICAL REAGENTS AND METHODS FOR

; TITLE OF INVENTION: IDENTIFYING MATCHED REAGENTS

; FILE REFERENCE: INV-1005-UT2

; CURRENT APPLICATION NUMBER: US/11/371,354

; CURRENT FILING DATE: 2006-03-07

; PRIOR APPLICATION NUMBER: 60/673,045

; PRIOR FILING DATE: 2005-04-19

; PRIOR APPLICATION NUMBER: 60/665,199

; PRIOR FILING DATE: 2005-03-25

; PRIOR APPLICATION NUMBER: 60/665,200

; PRIOR FILING DATE: 2005-03-25

; PRIOR APPLICATION NUMBER: 60/659,493

; PRIOR FILING DATE: 2005-03-07

; PRIOR APPLICATION NUMBER: 60/659,492

; PRIOR FILING DATE: 2005-03-07

; PRIOR APPLICATION NUMBER: 60/953,586

; PRIOR FILING DATE: 2005-02-15

; PRIOR APPLICATION NUMBER: 60/651,390

; PRIOR FILING DATE: 2005-02-08

; NUMBER OF SEQ ID NOS: 78682

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 63697

; LENGTH: 655
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-371-354-63697

Query Match 99.8%; Score 3346; DB 6; Length 655;
 Best Local Similarity 99.8%; Pred. No. 2.2e-287;
 Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Db	1	MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAKDPDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAKDPDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFLLTTNQCFSSVSARELVFVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLFKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLFKKYS	655

RESULT 14

US-11-443-428A-811925

; Sequence 811925, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hanqing

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen

; APPLICANT: Azar, Idit

; APPLICANT: Bernstein, Jeanne

; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES

; FILE REFERENCE: 02/23929

; CURRENT APPLICATION NUMBER: US/11/443,428A

; CURRENT FILING DATE: 2006-05-31

; NUMBER OF SEQ ID NOS: 1034312

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 811925

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-443-428A-811925

Query Match 99.8%; Score 3346; DB 6; Length 655;

Best Local Similarity 99.8%; Pred. No. 2.2e-287;

Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSSSNVEVFIPVSGGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Db 1 MSSSNVEVFIPVSGGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy 61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120

Db 61 KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy 121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Db 121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy 181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Db 181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy 241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Db 241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy 301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK 360

Db 301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAEHLQLSGGEKKKK 360

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Qy      361  ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420
      |||
Db      361  ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420

Qy      421  TGIQNRAGVLFLLTTNQCFSSVSVALEFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
      |||
Db      421  TGIQNRAGVLFLLTTNQCFSSVSVALEFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480

Qy      481  MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
      |
Db      481  MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy      541  MTICFVMMMFISGLLVNLTIIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
      |||
Db      541  MTICFVMMMFISGLLVNLTIIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600

Qy      601  NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655
      |||
Db      601  NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLKKYS 655

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RESULT 15

US-11-443-428A-811926

; Sequence 811926, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hangqing

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen

; APPLICANT: Azar, Idit

; APPLICANT: Bernstein, Jeanne

; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES

; FILE REFERENCE: 02/23929

; CURRENT APPLICATION NUMBER: US/11/443,428A

; CURRENT FILING DATE: 2006-05-31

; NUMBER OF SEQ ID NOS: 1034312

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 811926

; LENGTH: 655

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-443-428A-811926

Query Match 99.8%; Score 3346; DB 6; Length 655;

Best Local Similarity 99.8%; Pred. No. 2.2e-287;

Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      1  MSSSNVEVFIPVSGQNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
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Db          1  MSSSNVEVFIPVSQGTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy          61  KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120
|||||
Db          61  KEILSNINGIMKPLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy          121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
|||||
Db          121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy          181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240
|||||
Db          181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF 240

Qy          241 SIHQPRYSIFKLFDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNNPADFFLDIING 300
|||||
Db          241 SIHQPRYSIFKLFDSLTLASGRLMFHGAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy          301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360
|||||
Db          301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKETKAELHQLSGGEKKKK 360

Qy          361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420
|||||
Db          361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS 420

Qy          421 TGIQNRAGVLFFLTNTNQCFSSVSARELVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480
|||||
Db          421 TGIQNRAGVLFFLTNTNQCFSSVSARELVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP 480

Qy          481 MTMLPSIIFTICIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
|||||
Db          481 MRMLPSIIFTICIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy          541 MTICFVFMFIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600
|||||
Db          541 MTICFVFMFIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN 600

Qy          601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLFKYS 655
|||||
Db          601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLFKYS 655

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Search completed: September 18, 2008, 22:15:05

Job time : 257 secs

SCORE 3.0